

IN THE CLAIMS:

1. (Currently Amended) A system for steering a beam of electromagnetic energy comprising:

first means for receiving an input wavefront of electromagnetic energy along a first axis, said first means including means for refracting said input wavefront as an output wavefront along a second axis at an angle with respect to said first axis in response to an applied voltage;

second means for providing said voltage in response to a control signal; and

third means for providing said control signal; and

fourth means for correcting color dispersion in said output wavefront, said means for correcting color dispersion including first and second counter-rotating optical wedges.

2. (Original) The invention of Claim 1 wherein the index of refraction of said first means varies in response to said applied voltage.

3. (Original) The invention of Claim 2 wherein said first means is a liquid crystal device.

4. (Original) The invention of Claim 3 wherein said first means includes an array of liquid crystal devices.

5 - 7 (Canceled)

8. (Currently Amended) The invention of Claim 7 further including a mirror for compensating a wavefront output by said first and second counter-rotating optical wedges.

9. (Previously Amended) The invention of Claim 8 further including an imaging lens in optical alignment with said mirror.

10. (Original) The invention of Claim 1 wherein said third means is a microprocessor.

11. (Original) A system for steering a beam of electromagnetic energy comprising:
an array of liquid crystal devices for receiving an input wavefront of electromagnetic energy along a first axis and refracting said input wavefront as an output wavefront along a second axis at an angle with respect to said first axis in response to an applied voltage;
a microprocessor for providing said voltage;
first and second counter-rotating wedges, responsive to said microprocessor for processing said output wavefront;
a mirror, responsive to said microprocessor, for reflecting a wavefront output by said first and second counter-rotating optical wedges; and
means for outputting an image reflected by said mirror.

12. (Original) The invention of Claim 11 wherein the index of refraction of said array varies in response to said applied voltage.

13. (Currently Amended) A method for steering a beam of electromagnetic energy comprising the steps of:

providing a control signal;

providing a voltage in response to said control signal; and
receiving an input wavefront of electromagnetic energy along a first axis and
refracting said input wavefront as an output wavefront along a second axis at an angle with
respect to said first axis in response to said voltage; and
correcting color dispersion in said output wavefront with first and second counter-
rotating optical wedges.

14. (Currently Amended) A method for steering multiple beams of electromagnetic
energy comprising the steps of:

providing control signals;
providing a plurality of voltages in response to said control signals; and
receiving multiple input wavefronts of electromagnetic energy along a first axis and
refracting each said input wavefronts as an output wavefront along a second axis at angles
with respect to said first axis in response to said voltages; and
correcting color dispersion in said wavefronts with first and second counter-rotating
optical wedges.